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```
1 60
TREEEGRAIFRPTCRRCKPVSSHLSATDMVGMRGAYGGACNDSDKSRLHGGKAAEPEIAS
HE-----
TS-----
SARARA-----
-----
MGSGSA-----ANGGGGGAGARVP-----
-----
HELARTLSYITHICLLRNTIIEDMGSD-----YEYPLGMNFERVH-----
-----MVHHISD--EAAD-----EPSITTQTTPN---DPSQAPL---
-----TRAAMERARAMGP-----
-----MVGMRVPYGGSYTNNGSNESQPP-GAAPEVPA
-----MGTED-----YTFPQGAEEHLHRRH-----
MS-----SLGTEQF-----SERSQ-----
-----MGTED-----YTFPQGAEEHLHRRH-----
MSSKRASQY-----
-----MPRTVSD--GGED-----FDGDVCSQTASQRHTDSTHHH-----
MS-----YASLSVKDLTSL-----VSRSGTGSSSSSLKPPGQTRPVKV
```

FIG. 1A

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SEQ ID NO: 2	61	MA-VHKVAPPPARSTASKMKVRVKET-FFPDDPFRAFKGQPP-GTQWLMVRYLFPILDW	120
SEQ ID NO: 4		-----	
SEQ ID NO: 6		-----	
SEQ ID NO: 8		-----	
SEQ ID NO: 10		-----	
SEQ ID NO: 12		-----MPAAKPFLETLGGMKET-FLPDDPFRRVRRERGCGRRAAAALRYVFFMEW	
SEQ ID NO: 14		-----	
SEQ ID NO: 16		-----HEPHQTTLHKLRHRVSEI-FFPDDPLHRFKNQTR-EKKFLLALQYLFPIFDW	
SEQ ID NO: 18		-----Q-VEVPPQPFFKSLKYSVKET-FFPDDPLRQFKNKP-ASKKFMGLQFFFFPIFEW	
SEQ ID NO: 20		-----VYKVGYPKPNLATEFTETLRET-FFHDNPLRQYKGQSGP-RRFMMGLEFLFPIFGW	
SEQ ID NO: 22		-----W-----EWAEEALPCLAW	
SEQ ID NO: 23		MVEVHKVVPPPPQSTASKLKTRLKET-LFPDDPFRGFQGPQPA-RVQWVLAVKYLFPILDW	
SEQ ID NO: 24		-----HTVEAPQPQPFKSLQYSVKET-LFPDDPFRQFKNQN-ASRKFVLGLKYFLPIFEW	
SEQ ID NO: 25		-----WVLNSPNPPPLTKKFLGPLKDNKFTSSS-----SKKETRAVSFLASLEPILSW	
SEQ ID NO: 26		-----HTVEAPQPQPFKSLQYSVKET-LFPDDPFRQFKNQN-ASRKFVLGLKYFLPIFEW	
SEQ ID NO: 27		-----	
SEQ ID NO: 28		-----HQVEIPPPQPFKSLKNTLNEI-LFADDPFRRIRNESKTSKKIELGLRHVFPILEW	
SEQ ID NO: 29		-MEVHKVVAPPKSTVAKLTKLKET-FFPDDPLRQFRGQPN-RTKLIRAAQYIFPILQW	
SEQ ID NO: 30		-----GYKVGFPFAKGVFAEFAEGVKET-FFADDPFREYKDQPRS-KKLWLSLVHLFPVLDW	
SEQ ID NO: 31		IPLQHPDTSNEARPPSIPF-----DDIFSGWTAKIK-RMRLVDWIDTLEPCFRW	

FIG. 1B

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SEQ ID NO:2	121	VPSYSLS-LFKSDLVAGLTIASLAIPQGISYAKLASLPPIIGLYSSFVPPMVMYAVLGSSR	180
SEQ ID NO:4		-----ESDLIAGITIASLAIPQGISYAKLANLPPVLGLYSSFVPPPLVYALMGSSK	
SEQ ID NO:6		-----	
SEQ ID NO:8		-----	
SEQ ID NO:10		-----	
SEQ ID NO:12		APSYTLGT-LKSDLIAGTLPASASRKG-----	
SEQ ID NO:14		-----	
SEQ ID NO:16		APNYNLT-LLRSDLIISGLTIASLAIPQGISYAKLANLPPILGLYSSFVPPPLIYSLLGSSR	
SEQ ID NO:18		APKYTFQ-FLKADLIAGITIASLAIPQGISYAKLANLPPILGLYSSFIPPLIYAMMGSSR	
SEQ ID NO:20		GRDYSLN-KFKGDLIAGLTIASLCIPQDIDIGYSKLANLDPQYGLYSSFIPPLIYAAMGSSR	
SEQ ID NO:22		MRSYRWKEDFQADLAAGITVGVMMLVPQAMS YAKLAGLHPIYGLYTGFPVPLFVYVYVIFGSSR	
SEQ ID NO:23		LPAYSLS-LFKSDLIAGLTIASLAIPQGISYAKLANLPPILGLYSSFVPPPLVYAVLGSSR	
SEQ ID NO:24		APRYNLK-FFKSDLIAGITIASLAIPQGISYAKLANLPPILGLYSSFVPPPLVYAVLGSSR	
SEQ ID NO:25		IRTYSAT-KFKDDL SGLTLASLSIPQSIGYANLAKLDPQYGLYTSVIPVVIYALMGSSR	
SEQ ID NO:26		APRYNLK-FFKSDLIAGITIASLAIPQGISYAKLANLPPILGLYSSFVPPPLVYAVLGSSR	
SEQ ID NO:27		-----	
SEQ ID NO:28		ARGYSLE-YLKSDVISGITIASLAIPQGISYAQLANLPPILGLYSSLVPPPLVYAIMGSSR	
SEQ ID NO:29		CPEYSFS-LLKSDVVSGLTIASLAIPQGISYANVANLPPIVGLYSSFVPPPLVYAVLGSSR	
SEQ ID NO:30		SRSYTFG-KFKGDLVAGLTIASLCIPQDIDIGYAKLANLQPHVGLYSSFVPPPLIYALMGSSR	
SEQ ID NO:31		IRTYRWSEYFKLDLMAGITVGIMLVPOAMS YAKLAGLPPIYGLYSSFVPPVYVYVYVIFGSSR	

FIG. 1C

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181		240
SEQ ID NO: 2	DLAVGPVSISSLIMGS--MLRQAV-SPTAEP TLFQLAFTSTLFAGLVQASLGILRLGFV	
SEQ ID NO: 4	DLAVGTVAVASLLISS--MLGSEV-SPTENPVLYLHLAFTATFFAGVFQASLGILRLGFI	
SEQ ID NO: 6	-----	
SEQ ID NO: 8	-----	
SEQ ID NO: 10	-----	
SEQ ID NO: 12	-----	
SEQ ID NO: 14	-----	
SEQ ID NO: 16	HLGVPVSIASLVMGS--MLSDKI-SYTQEPILYLGLAFTATFFAGVFQASLGILRLGFV	
SEQ ID NO: 18	DLAVGTVAVGSLLIMGS--MLSNV-DPNE DPKLYLHLAFTATLFAGVFQAAALGLFRLGLI	
SEQ ID NO: 20	DIAIGPVAVVSLIGS--LLQAEV-DHVKNKEEYMRLAFTATFFAGITQAAALGFLRLGFL	
SEQ ID NO: 22	QLAVGPVALVSLVSN--VLGGIV--NSSSELYTELAILLAFMVGILECLMALLRLGWL	
SEQ ID NO: 23	DLAVGPVSISSLIMGPCASRQPHCGADAVPAARLH---ATLFAGIFQASLGILRLGFI	
SEQ ID NO: 24	DLAVGTVAVASLLTGA--MLSKEV-DAEKDPKLYLHLAFTATFFAGVLEASLGIFRLGFI	
SEQ ID NO: 25	EIAIGPVAVVSMLLSS---LVPKVIDPD AHPNDYRNLVFTVTLFAGIFQTAFGVRLGFL	
SEQ ID NO: 26	DLAVGTVAVASLLTGA--MLSKEV-DAEKDPKLYLHLAFTATFFAGVLEASLGIFRLGFI	
SEQ ID NO: 27	--AIGPVAVVSLLLGT--LLQNEI-DPKTHPLEYRRLAFTATFFAGVTQAAALGFFRLGFI	
SEQ ID NO: 28	DLAVGTVAVASLLTAA--MLGKEV-NAVVPKLYLHLAFTATFFAGLMQTCLGLRLGFV	
SEQ ID NO: 29	DLAVGPVSIASLILGS--MLRQQV-SPVDDPVLFQLAFSSFFAGLFQASLGILRLGFI	
SEQ ID NO: 30	DIAIGPVAVVSLLLGT--LLQEEI-DPVKNPLEYSRLAFTATFFAGITQAMLGFFRLGFI	
SEQ ID NO: 31	QLAIGPVALVSLVSN--ALGGIA---DTNEELHIELAILLALLVGILECIMGLLRLGWL	

FIG. 1D

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241          300
SEQ ID NO: 2 IDFLSKATLVGFMAGAAIIVALQQLKGLLGIVHFTTEMGIVPVMASVFHHTSE-----
SEQ ID NO: 4 VDLLSHATIVGFMAGAAATVVCLOQLKGLMLGLVHFTTSTDVVSVMESVFSQTHQ-----
SEQ ID NO: 6 -----
SEQ ID NO: 8 -----
SEQ ID NO: 10 -----GIKFTKKTDIISVMSXSPNRAHR-----
SEQ ID NO: 12 -----
SEQ ID NO: 14 -----
SEQ ID NO: 16 IDFLSKATLVGFTGGAAIIVSLQQLKGLLGIVHFTSKMQIIPVTISVEKQRHE-----
SEQ ID NO: 18 VDFLSHATIIIGFMGGAATVVCLOQLKKSILGLEHFTHGADIISVMRSVFTQTHE-----
SEQ ID NO: 20 IEFLSHAAIVGFMGGAATIALQQLKYVLGIANFTRKTDIVSVMESVWRSVHHG-----
SEQ ID NO: 22 IRFISHSVISGFTTASAIIVIGLSQIKYFLGYS-VTRSSKIIPLESIIAGIDQ-----
SEQ ID NO: 23 IDFLSKATLVGFMAGAAIIVSLQQLKALLGIVHFTTEMGIVPVMASVFHHTKE-----
SEQ ID NO: 24 VDFLSHATIVGFMGGAATVVSLOQLKGIFGLKHFTDSTDVISMRSVFSQTHE-----
SEQ ID NO: 25 VDFLSHAALVGMAGAAIVIGLQQLKGLLGLTHFTTKTDAVAVLKSIVTSLHQQITSEN-----
SEQ ID NO: 26 VDFLSHATIVGFMGGAATVVSLOQLKGIFGLKHFTDSTDVISMRSVFSQTHE-----
SEQ ID NO: 27 IEFLSHAAIVGFMAGAAITIALQQLKGFLGIANFTKKS DIVSVMKSVWGNVHHG-----
SEQ ID NO: 28 VEILSHAAIVGFMGGAATVVCLOQLKGLLGLHHFTHSTDIVTVLRSIFSQSHM-----
SEQ ID NO: 29 IDFLSKATLIGFMGGAAIIVSLQQLKGLLGI THFTKHMSVVPVLSSVFQHTNE-----
SEQ ID NO: 30 IEFLSHAAIVGFMAGAAITIALQQLKGLLGLIAKFTKKSDIISVMESVWGNVQHG-----
SEQ ID NO: 31 IRFISHSVISGFTSASAIIVIGLSQIKYFLGYS-IARSSKIVPIVESI-----IAGADK
```

FIG. 1E

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SEQ ID NO:2	301	WSWQTILMGVCFLLVFLLSARHVSIRWPKLFWVSACAPLASVTISTLLVFLFKAQNHGISI	360
SEQ ID NO:4		WRWESVLLGCGFLFLLVTRFISKRPRPKLFWISAAAPLTSVVLGSLVLYLTHAENHGIEV	
SEQ ID NO:6		-----	
SEQ ID NO:8		-----	
SEQ ID NO:10		WNWQTIIVIGITFLAFLLLAKYIGKKNRKFVWPAPITSVILATLFLVFITRADKQGVQI	
SEQ ID NO:12		-----	
SEQ ID NO:14		WHPGNFLIGCSFLIFILTRFIGRRYKKLFWLSAISPLLSVILSTAAYVYATRADRHGVKI	
SEQ ID NO:16		WSWQTILLGFGFLVFLLTTRHISLRKPKLFWVSAAAPLTSVILSTILVFLLRNKTQISV	
SEQ ID NO:18		WRWESAVLGCVFIFELLSTRYFSKKRPRFFWVSAMAPLTSVILGSLVLYFTHAEKHGVEV	
SEQ ID NO:20		WNWQTIIVIGVSFLVFLLLFAKYIGKKRKLFWVPAIAPISVILATFFVYITRADKQGVQI	
SEQ ID NO:22		FSWPPFVMGSAFLVILLIMKKLGKTNKKLRFELRASGPLTAVVLGTLFVKIFRP--TAISV	
SEQ ID NO:23		WSWQTILMGVCFLLVFLLVARHVSIRWPKLFWVSACAPLVSIIISTLVVFLFKAQNHGISI	
SEQ ID NO:24		WRWESGVLGCGFLFELLSTRYFSIKKPKFFWVAAMAPLTSVILGSLVLYFTHAERHGVQV	
SEQ ID NO:25		WSPLNFVIGCSFLIFLLAARFIGNRNKKFFWLPAIAPLLSVILSTLIVFLSKGDKHGUNI	
SEQ ID NO:26		WRWESGVLGCGFLFELLSTRYFSIKKPKFFWVAAMAPLTSVILGSLVLYFTHAERHGVQV	
SEQ ID NO:27		WNWQTIILIGATFLAFLLVAKYIGKRNKKLFWVSAIAPLTSVISTEFFVYITRADKHGVAI	
SEQ ID NO:28		WRWESGVLGCCFLIFLLTTKYISKKRPKLFWISAMSPVSVIFGTIFLYFLHDQFHGIQF	
SEQ ID NO:29		WSWQTIIVMGVCFLLFLLSTRHLSMKPKLFWVSACAPLLSVIVSTLLVVFVFAERHGISV	
SEQ ID NO:30		WNWQTIILIGSSFLAFLLTTKYIAKKNKKLFWVSAIAPLISVVISTFCVYITRADKQGVAI	
SEQ ID NO:31		FQWPPFVMGSLILVILQVMKHVGKAKKELQFLRAAAPLTGIVLGTITIAKVFHP--PSISL	

FIG. 1F

FIG. 1G

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SEQ ID NO: 2	EMMAIGLMNVVGSCTSCYVTTGAFSRSAVNHNAGCKTAMSNVIMALTVMVTLLFLMPLFV	421	480
SEQ ID NO: 4	EMIAIGTMNVVGLSLTSCYLTGPFPSRAVYNAGCRTAMSNVVMVSLAVMVTLLFLTPLFH		
SEQ ID NO: 6	EMLAMGFSNVAGSLSSCYVATGFSRTAVNFSAGARSTVSNIVMSITVEVTLELFMKLLY		
SEQ ID NO: 8	-----		
SEQ ID NO: 10	-----		
SEQ ID NO: 12	-----		
SEQ ID NO: 14	EMLAMGFSNVAGSLSSCYVATGFSRTAVNFSGGQSTV-----		
SEQ ID NO: 16	EMMAIGLMNVIAGSCSSCYVTTGFSRSRAVYNAGAQTTVSNIIIMAAVLVTLLFLMPLFY		
SEQ ID NO: 18	EMIAIGTMNVVGSFTSCYLTGPFPSRAVYNAGCKTAASNIIMSLAVMLTLLFLTPLFH		
SEQ ID NO: 20	EMVALGTMNIVGSMTSCYVTTGFSRSRAVNFAGCKTPVSNVVMVSVVLLTLLVITPLFK		
SEQ ID NO: 22	ELFGLGLSNICGSFFSAYPATGFSRSRAVNHEGAKTGLSGIIMGIIICSALLFMTPLFT		
SEQ ID NO: 23	EMMAIGLMNVVGSCTSCYVTTGAFSRSPVNHNAGCKTAMSNVIMALTVMVTLLFLMPLFV		
SEQ ID NO: 24	EMIAFGMMNIVGSFTSCYLTGPFPSRAVYNAGCKTAMSNIVMAIAVMFTLLFLTPLFH		
SEQ ID NO: 25	EMLAMGCMNVIAGSLTSCYVSTGFSRTAVNFSAGCKTAVSNIVMAVTLLCLELFTRLLY		
SEQ ID NO: 26	EMIAFGMMNIVGSFTSCYLTGPFPSRAVYNAGCKTAMSNIVMAIAVMFTLLFLTPLFH		
SEQ ID NO: 27	EMVA-----		
SEQ ID NO: 28	EMIAFGMMNIIIGSFSSCYLTGPFPSRAVYNAGCKTALSNVVMVAVAVTLLFLTPLFF		
SEQ ID NO: 29	EMIAIGLMNVVGSATSCYVTTGAFSRSAVNNNAGAKTAVSNIVMSVTVMVTLLFLMPLFE		
SEQ ID NO: 30	EMVALGTMNIVGSMTSCYVATGFSRSRAVNYMAGCKTAVSNVVMVMAIVVMVLTLLITPLFK		
SEQ ID NO: 31	DLFGLGVANILGSLFSAYPATGFSRSRAVNNESEAKTGLSGLITGIIIGCSLLFLTTPMFK		

FIG. 1H

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481      540
SEQ ID NO: 2 YTPNVVLGAIIIAAVIGLIDFPAYHYIWKMDKMDFLVCVCAFAGVIFISVQEGLAIAVGI
SEQ ID NO: 4 YTPLVVLSAIIIVSAMLGLVDGGAALHLWRVDKDFVCVAGAYLGVVFGSVEVGLVAVAV
SEQ ID NO: 6 YTPMAVLAIIILSALPGLIDIKEACSIWKIDKMDFLTCLGAFVGVLFSGSVEIGLAVLGI
SEQ ID NO: 8 -----AIHLWTLDKFDFVVCMSAYFGVVGVSVEIGLVIAVAL
SEQ ID NO: 10 -----WN-----
SEQ ID NO: 12 -----
SEQ ID NO: 14 -----
SEQ ID NO: 16 YTPNVVLAIIITAVIGLIDYQSAAYKLWKVDKLDLFLACLCSFFGVLFISVPLGLGIAVII
SEQ ID NO: 18 YTPLVVLSAIIIVSAMLGLIDYEAAIHLFKVDKDFVVCMSAYIGVVGVSVEIGLVIAIVI
SEQ ID NO: 20 YTPNAILGSAIIISAVIGLVDYEAAILIWKVDKLDLFIACMGAFVGVVFSVEIGLLIAVAI
SEQ ID NO: 22 DIPQCALAAIVISAVTGLVDYEEAIFLWIGIDKKDFFLWAMTFTTTLTFGIEIGVLGVGF
SEQ ID NO: 23 YTPNVVLGAIIIAAVIGLIDIPAVYHYIWKMDKMDFLVCVCAFAGVLFISVQEGLAIAVGI
SEQ ID NO: 24 YTPLVVLSAIIISAMLGLIDYQAAIHLWKVDKDFDLVCMSAYVGVVFGSVEIGLVVAVAI
SEQ ID NO: 25 YTPMAILASIIILSALPGLIDIGEAYHYIWKVDKDFDLACLGAFFGVLFVSIEIGLLIALSI
SEQ ID NO: 26 YTPLVVLSAIIISAMLGLIDYQAAIHLWKVDKDFDLVCMSAYVGVVFGSVEIGLVVAVAI
SEQ ID NO: 27 -----
SEQ ID NO: 28 YTPLVVLSSIIIAAMLGLVDYEAAILHLWKLDKDFDFVCLSAYLGVVFGTIEIGLILSVGI
SEQ ID NO: 29 YTPNVVLGAIIIVTAVIGLIDLPAACHIWKIDKDFDLVMLCAFFGVIFLSVQNGLAIAVGL
SEQ ID NO: 30 YTPNAILASIIINAVVNLVDYETAYLIWKVDKMDFVALLGAFFGVVFASVEYGLLIAVAI
SEQ ID NO: 31 YIPQCALAAIVISAVSGLVDYDEAIFLWRVDKRDFTSLWTITSTITLFFGIEIGVLGVGF
```

FIG. 11

541	SEQ ID NO: 2	SIFRVLMQITRPKMMVQGNIKGTDIYRDLHHYKEAQRVSGFLILAIEAP-INFANSNYLN	600
	SEQ ID NO: 4	SLLRVLLFVARPRTTVLGNIPGTMVYRRMDQYAAAQTPGVVLVRVDAP-VYFANASYLR	
	SEQ ID NO: 6	SFAKIIQSLRPQVEILGRLQGTDFCSVRQYPVACLTPVLPIRVDTSLCFCINATSVK	
	SEQ ID NO: 8	SLLRVLLFVSRPRTSTLGLIPDSTIYRSMQYQNAKSVPGILILQIEAP-IYFANSSYLRL	
	SEQ ID NO: 10	-----	
	SEQ ID NO: 12	-----	
	SEQ ID NO: 14	-----	
	SEQ ID NO: 16	SVLKILLHVTRPNTLVLGNIPGTQIFHNINQYKKALRVPSEFLILAVESP-IYFANSTYLQ	
	SEQ ID NO: 18	SVLRVLLFIARPRTFVLGNIPNSVIYRNVENQNAKHVPGMLILEIDAP-IYFANASYLR	
	SEQ ID NO: 20	SFAKILLQVTRPRTALLGNLPGTTIYRNISQYPEAKLTPGVVIVRVDSDA-IYFSNSNYVR	
	SEQ ID NO: 22	SLAFVIHESANPHIAVLGRLPGTTVYRNTLQYPEAYTYNGIVVVRVDAP-IYFANISYIK	
	SEQ ID NO: 23	SVFVRVLLQITRPKITVQGNIMGTDIYRNLHQYKDAQRIPGFLILATEAP-INFANSNYLN	
	SEQ ID NO: 24	SIARLLLFSKPKTAVKGNIPNSMIYRNTEQYPPSRTVPGILILEIDAP-IYFANASYLR	
	SEQ ID NO: 25	SFAKILLQAIIRPGVEVLGRIPTTEAYCDVAQYPMAVTTPGILVIRISSGSLCFANAGFVR	
	SEQ ID NO: 26	SIARLLLFSVRPKTAVKGNIPNSMIYRNTEQYPPSRTVPGILILEIDAP-IYFANASYLR	
	SEQ ID NO: 27	-----	
	SEQ ID NO: 28	SVMRLVLVFGVRPKIYVMGNIQNSEIYRNIEHYPQAITRSSLLILHIDGP-IYFANSTYLR	
	SEQ ID NO: 29	SLFKILMQVTRPKMVMGNIPGTDIYRDLHHYKEAQRIPGFLVLSIESP-VNFANSNYLT	
	SEQ ID NO: 30	SLGKILLQVTRPRTALLGNLPRTTIYRNVEQYPEATKVPGMIVRVDSDA-IYFTNSNYVK	
	SEQ ID NO: 31	SLAFVIHESANPHIAVLGRLPGTTVYRNLIKQYPEAYTYNGIVIVRIDSP-IYFANISYIK	

FIG. 13

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601	ERI	KRWI	-EE--ESFEQDKHTELHFII	LDLSAVPAIDTSGIAFLIDIKKSIEKRGLELVL	660
	ERIS	RWI	-DDEERTKSGEMGVRYVVL	DMGAIGSIDTSGTSMDELNKSIDRRGMQIVL	
	ERITE	WVWEGVETS	-NGKARERIQAVVLD	DMSSVVNIDTSGLTAEIHKELVSLGLQMAI	
	ERIVRWV	-DEEDRLKSLKENDLQYVIL	ALSAVGNIDTSGITMLGEVKKVMERRGLKLVL		
				-----KEM-----	

	ERILRWV	-REEEEHIKANNGAPLKCII	ILDMTAVTATDTSGDLTLC	ELRKMLEKRSLEFVL	
	ERITRWI	-DEEEERI	KATGETSLQYVIIDMSAVGNIDTSGISMLEEVKKITERRELQVL		
	ERILRWL	-TDEEDRAKAVGLPKISFLIVEMSPVIDIDTSGIHALEDLYKNLQKKDMQLIL			
	DRLREYELKLPN	-SNRGPDVGRVYFVILEMSPVTYIDSSAVQALKDLHQEYKARDIQIAI			
	ERIKRWI	-EE--ESSAQTKQTELRFVIL	DL SAVPAIDTSGVAF	LIDIKKSIEKRGLELVL	
	ERIIRWI	-DEEEERV	KQSGESSLOYIILDM SAVGNIDTSGISMMVEIKKVIDRRALKLVL		
	ERILKWVEDEEQDNIEEA	KGRVQAI IIDMTDLTNVDTSGILAEELHKKLLSRGVELAM			
	ERIIRWI	-DEEEERV	KQSGESSLOYIILDM SAVGNIDTSGISMMVEIKKVIDRRALKLVL		

	DRIGRWI	-DEEEDKLRTSGDISLQYIVL	DM SAVGNIDTSGISMLEELNKILGRRELKLVI		
	ERTSRWI	-EECEEEEAQEKHSSLQFLILEMSAVSGVD	TNGVSFFKELKTTAKKDIELVF		
	ERILRWL	-RDEEEQQEQEKLKSKTEFLIVELSPVTDIDTSGIHALEELKALEKRKIQLIL			
	DRLREYEVAVDKYTN	RGLEVDRI	NFVILEMSPVTHIDSSAVEALKELYQYKTRDIQLAI		

FIG. 1K

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661 720
SEQ ID NO: 2 VNPTGEVMEKIQRANEAEENYFRPD--CLYLTGGEAIAS-----
SEQ ID NO: 4 ANPGSEIMKKLDSSKVL-EQIGHW--VFPTVGEAVASC-----DYVLHSH
SEQ ID NO: 6 ASPGWKAVQKMKVSQVV-DRVGQDW--IFMTVGEAVEAC-----LAAH
SEQ ID NO: 8 ANPGGEVIKKMKNKAKLIEV-IGQEW--IYLTVGEAVGAC-----NFMLHTY
SEQ ID NO: 10 -----
SEQ ID NO: 12 -----
SEQ ID NO: 14 -----
SEQ ID NO: 16 ANPVGNVMEKLHKSNIILDSF---GLKGVYLTVGEAVTD-----
SEQ ID NO: 18 VNPVSEVMKKLNKSKF-QNHLGKKW--IYLTVEEAVGAC-----NFNLRAS
SEQ ID NO: 20 SNPGSVVIEKLQASKL-TEHIGSSN--IFLAVSDAVRFC-----T-----
SEQ ID NO: 22 ANPNRQVHLLSRAGII-DMIGAGW--CFVRVHDAVQVCLQHVRSS-----
SEQ ID NO: 23 VNPTGEGHGKNTASERGTAFAQVGIACI-LTTGEAVAS-----
SEQ ID NO: 24 SNPKGEVVKKLTRSKFIGDHLGKEW--MELTVGEAVEAC-----SYMLHTE
SEQ ID NO: 25 VNPRWEVIHKLKVANFV-DKIGKER--VFLTVAEAVDAC-----LSSR
SEQ ID NO: 26 SNPKGEVVKKLTRSKFIGDHLGKEW--MELTVGEAVEAC-----SYMLHTE
SEQ ID NO: 27 -----
SEQ ID NO: 28 ANPGAEMVKKLSKSTFIES-IGKER--IYLTVAEAVAAC-----DFMLHTA
SEQ ID NO: 29 VNPLSEVVEKLQRADEQKEFMRPEF--LFLTVAEAVAS-----
SEQ ID NO: 30 ANPGPAVIQKLRSAKF-TDLIGDDK--IFLSVGDAVKKF-----A-----
SEQ ID NO: 31 SNPNKDVHLTIARSGMV-ELVGKEW--FFVRVHDAVQVCLQYVQSSNLEDKHLSFTRRYG
```

FIG. 1L

721		742
SEQ ID NO:2	-----LSALA-KMTKP	
SEQ ID NO:4	K-----PGMAKDSAAAHESMV	
SEQ ID NO:6	KGTA-----LAC	
SEQ ID NO:8	KNAEKPTSGSESGKESRNDNNV	
SEQ ID NO:10	-----	
SEQ ID NO:12	-----	
SEQ ID NO:14	-----	
SEQ ID NO:16	-----ISSI--WKAQP	
SEQ ID NO:18	K-----TNPKKDETEGWNN-V	
SEQ ID NO:20	-----TKSMQEP	
SEQ ID NO:22	-----SSNA	
SEQ ID NO:23	-----LSALA-KMASP	
SEQ ID NO:24	K-----TEPASKN-EPWNN-V	
SEQ ID NO:25	--FA-----NSA	
SEQ ID NO:26	K-----TEPASKN-EPWNN-V	
SEQ ID NO:27	-----	
SEQ ID NO:28	K-----PDSPVPEFNN----V	
SEQ ID NO:29	-----LSLKGPSLSNV	
SEQ ID NO:30	-----PKSSLNV	
SEQ ID NO:31	GSNNSSSSNALLKEPLLSVEK	

FIG. 1M